

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Gary L. Bush

Title: NUCLEAR RESONANCE APPLICATIONS FOR ENHANCED COMBUSTION

Serial No.: to be assigned Filing Date: April 2, 2004

Examiner: Group Art Unit:

Docket No.: GLB002

Austin, Texas  
April 2, 2004

COMMISSIONER FOR PATENTS  
Mail Stop Patent Application  
P.O. Box 1450  
Alexandria, VA 22313-1450

REQUEST TO RETAIN DISCLOSURE DOCUMENT

Dear Sir:

The above-identified patent application is related to Disclosure Document #539018 filed September 25, 2003, entitled "Nuclear Resonance Applications For Enhanced Combustion." Applicant hereby requests that Disclosure Document #539018 be retained in relation to the present application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450, on April 2, 2004.

  
Attorney for Applicant(s)

  
Apr 12 2004  
Date of Signature

Respectfully submitted,

  
Jack V. Musgrove  
Attorney for Applicant(s)  
Reg. No. 31,986

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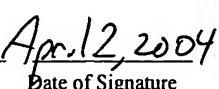
INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, the documents listed on the accompanying PTO Form-1449 are called to the attention of the Examiner for the above-identified patent application. Copies of each of the non-U.S. patent documents are enclosed. Citation of these documents shall not be construed as an admission that the documents are necessarily prior art with respect to the subject invention, a representation that a search has been made, or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

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Attorney for Applicant(s)

  
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Substitute for form 1449/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

**(Use as many sheets as necessary)**

Sheet

Sheet 1 of 2

**Complete if Known**

Application Number	to be assigned
Filing Date	April 2, 2004
First Named Inventor	Gary L. Bush
Art Unit	
Examiner Name	
Attorney Docket Number	GLB002

## **U. S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
		GB-1,128,493	09-25-1968	Mobil	

<b>Examiner Signature</b>		<b>Date Considered</b>	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Substitute for form 1449/PTO				<b>Complete if Known</b>	
				<b>Application Number</b>	to be assigned
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				<b>First Named Inventor</b>	Gary L. Bush
				<b>Art Unit</b>	
				<b>Examiner Name</b>	
Sheet	2	of	2	Attorney Docket Number	GLB002

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		JOHNSTON et al. "Branching Ratio in the F+HD Reaction: ...", J. Chem. Phys. Vol 94 No. 4, 2-15-1991	
		SKODJE et al. "Observation of a Transition State Resonance..." J.Chem.Phys.Vol 112, No. 10, 3-8-2000	
		ANALA et al. "In Situ NMR Spectroscopy of Combustion" J. Am. Chem. Soc. Vol 125, No. 43, 10-7-2003	

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